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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/629,802	07/30/2003	Akira Nagashima	03500.015658.2	03500.015658.2 7925		
5514 7.	590 07/11/2006	EXAMINER				
FITZPATRICK CELLA HARPER & SCINTO			SHAH, M	SHAH, MANISH S		
30 ROCKEFELLER PLAZA NEW YORK, NY 10112			ART UNIT	PAPER NUMBER		
·			2853			
			DATE MAILED: 07/11/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)				
Office Action Summary		10/629,802		NAGASHIMA ET AL.				
		Examiner		Art Unit				
		Manish S. Shah		2853				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover she	et with the c	orrespondence ad	ldress			
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING DA asions of time may be available under the provisions of 37 CFR 1.1: SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period of the reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMM 36(a). In no event, however, n vill apply and will expire SIX (6 , cause the application to beco	UNICATION  nay a reply be tim  ) MONTHS from  me ABANDONE	l. ety filed the mailing date of this c O (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) filed on 20 Ju	ıne 2006.						
-	This action is <b>FINAL</b> . 2b) ☐ This action is non-final.							
,	, <del>-</del>							
٠,٣	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
4)⊠	Claim(s) <u>65-67,78-80,86 and 87</u> is/are pending	in the application.						
-	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
6)🖂	5)⊠ Claim(s) <u>65-67,78-80,86 and 87</u> is/are rejected.							
7)	☐ Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restriction and/o	r election requiremen	t.					
Applicati	ion Papers							
9)	The specification is objected to by the Examine	r.						
10)	The drawing(s) filed on is/are: a) acc	epted or b) 🗌 objecte	d to by the E	Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2)  Notic	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date	Pape 5) Notic	view Summary er No(s)/Mail Da ce of Informal P r:		O-152)			

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 65-67, 78-80 & 86-87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Auslander et al. (# US 6793723) in view of Higuma et al (# US 613512).

Auslander et al. discloses an inkjet recording apparatus including an ink jet recording unit and inkjet recording cartridge (see Examples; Epson Stylus Color 760; column: 23, line: 1-15), which includes an ink composition that moderate the typically occurring phenomenon of quenching which comprises a first colorant comprising at least one fluorescent dye, a second colorant comprising water-soluble polymeric dye of effective molecular configuration to inhibit quenching of fluorescence of the first colorant and an aqueous liquid vehicle comprising water and a water-soluble vehicle in sufficient amounts (see Abstract and column: 5, lines 23-41). The reference further teaches that the fluorescent dye may be based on the chromophoric systems such as anionic coumarins, cationic coumarins, anionic naphthalimide dyes, pyranine, rhodamines, bispyrromethane boron complexes and pyronines (column: 14, lines 36-65). The ink carrier contains at least 65 percent water, fluorescence stabilizer, surfactants and glycol

ethers (column: 15 line 26-column: 16 line 34). The examples disclose the amount of the fluorescent dye is in Applicant claimed the amount and that the fluorescent dye includes Acid Red 52. The reference fails to specifically the first and second organic compounds which are incompatible with each other. However the reference broadly discloses the components of the ink composition. Therefore it would have been obvious to one of ordinary skill in the art to use the components discloses by Applicant in the composition of Auslander because the components taught by the Applicant are well known components.

Auslander et al. fails to disclose that the ink holding member is composed of fiber flocculate and the fiber flocculate is aligned in an ink discharging direction of the ink container.

Higuma et al. teaches that to improve the ink flowability, and reducing the amount of unusable amount of the ink within the ink container, the ink-holding member is composed of fiber flocculate (fiber strands) and the fiber flocculate is aligned in an ink discharging direction of the ink container (element: 40a, 40b; figure: 9., element: 4a, 4b, figure: 8, element: 4, figure: 11).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the recording unit and the ink cartridge of Auslander et al. by the aforementioned teaching of Higuma et al. in order to improve the ink flowability, and reducing the amount of unusable amount of the ink within the ink container.

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## Conclusion

2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manish S. Shah whose telephone number is (571) 272-2152. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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6/28/06